

ATCOM WiFi Mesh ATA

MP01



Target Applications

- Village Telco
- Emergency Communication System
- Hotel Telco

Features

- One port WiFi Mesh ATA
- WiFi Mode: AP, client, ad-hoc, ahdemo mode
- Open Source OpenWrt OS
- Asterisk pre-installed
- SSH or HTTP management

Hardware Specifications

- Atheros AR2317 SoC
- MIPS 4KEc processor 180 MHz
- 8 MByte Serial Flash EEPROM
- 16 MByte RAM

Wireless LAN

- IEEE 802.11b/g
- Frequency Band: 2.412GHz to 2.484GHz
- Antenna Type: Internal Omnidirectional PCB Antenna with I-PEX connector
- Transmit EIRP Power: 1-24 Mbit 20dBm or 36-54 Mbit 17dBm

Interfaces

- LAN Port: 1 X RJ-45
- FXS Port: 1 X RJ-11

Firmware

- Linux kernel 2.6.26.3
- OpenWrt Kamikaze (customized version)
- B.A.T.M.A.N. mesh routing daemon Version 0.4
- Asterisk 1.4.11

Electrical

- Power Options: AC adaptor, Passive PoE or PoTL (Power over Telephone Line)
- PoTL Wire Requirement: standard 4/6 core telephone cable
- Input Power: 24 VDC 300mA
- Power Consumption: 3Watt
- Passive PoE Effective Distance: 0-100 meters
- PoTL Effective Distance: 0-50 meters
- Protected Ports: DC, RJ11 phone, RJ45 Ethernet
- Protection: overvoltage, reverse DC, nearby lightning, static electricity

Environmental

- Operating Humidity: 5 to 95% Condensing
- Operating Temperature: -20°C to +70°C

Physical

- Casing: UV-protected, weatherproof outdoor enclosure
- Mounting: Pole Mount/Wall Mount
- Enclosure Size: 228mm X 106mm X 55mm
- Weight: 0.3Kg

Regulatory/Compliance Information

- RoHS Compliance